



Chesterfield County, Virginia
Department of Building Inspection

9800 Government Center Parkway – P.O. Box 40 – Chesterfield, VA 23832-0040
Phone: (804) 748-1057 – Fax: (804) 751-4713 – Internet: chesterfield.gov

WILLIAM D. DUPLER
Building Official

ELECTRICAL ADVISORY

These are some of the significant changes to remember when transitioning to the 2005 National Electrical Code referenced by the 2006 Virginia Construction Code. These changes are effective for all permits applied for under the 2006 edition of the code.

1. **Article 210.8(B)(2)** This section defines a kitchen space and indicates the use of GFCI protection. A kitchen is an area with a sink and permanent facilities for food preparation and cooking. All 125 volt single phase 15 and 20 ampere receptacles in commercial and institutional kitchens shall have GFCI protection.
2. **Article 210.8 (B) (4)** This section requires GFCI protection for receptacles and equipment accessible to the public which will include vending machines.
3. **Article 406.8(B)(1)/ E3902.10** This section removed the word “outdoor” to include indoor wet locations. All 15 and 20 ampere, 125 and 250 volt receptacles installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted.
4. **Article 422.51** This section indicates all cord and plug connected vending machines manufactured or remanufactured after January 1, 2005 shall include a G.F.C.I. protection within 12” from the end of the plug.
5. **Article 605.7** When installing freestanding type office furnishing partitions, Handle Ties shall be provided for Multi-wire branch circuits. This requires a two pole or three pole breaker to office furniture with Multi-wire branch circuits.
6. **Article 250.50 Grounding Electrode System. Concrete Encased Electrode** The wording was change in this article to indicate if re-bar is present in the footing it shall be used as a grounding electrode. The grounding electrode must be verified by a third party inspector or special inspection during the footing installation or you must request an inspection for this item by contacting our office to perform the inspection for verification and approval of this item.